

IN THE CLAIMS

Please amend the claims as shown in the following complete listing of all claims:

1. (currently amended) A modular electrical device comprising:

a base comprising at least one mounting location comprising first and second electrical base connectors;

a module comprising first and second electrical module connectors that are respectively adapted for mating with said first and second electrical base connectors at respective first and second connector interfaces;

first and second seals located respectively at said first and second connector interfaces, said first and second seals each comprising first and second sealing elements that act respectively in first and second directions that are transverse relative to each other, wherein:

each of said first and second connector interfaces comprises both: (i) laterally adjacent surfaces of said base connector and said module connector; and, (ii) axially adjacent surfaces of said base connector and said module connector that are arranged transverse to said laterally adjacent surfaces;

for each of said first and second seals, said first sealing element is located between and sealingly engages said laterally adjacent surfaces, and said second sealing element is located between and sealingly engages said axially adjacent surfaces.

2. (currently amended) The modular electrical device as set forth in claim 2 claim 1, wherein said first and second seals, each including first and second sealing elements, are defined as one-piece constructions.

3. (original) The modular electrical device as set forth in claim 1, wherein said first sealing element comprises a radially projecting lip, and wherein said second sealing element comprises an axially projecting lip.

4. (canceled)

5. (original) The modular electrical device as set forth in claim 2, wherein said first and second seals each comprise an L-shaped cross-section.

6. (original) The modular electrical device as set forth in claim 1, wherein said first and second seals are each fixedly secured to either said base or said module.

7. (original) The modular electrical device as set forth in claim 6, wherein both of said first and second seals are connected to said module.

8. (original) The modular electrical device as set forth in claim 7, wherein said first and second module connectors comprise respective first and second female sockets, and wherein said first and second seals are located respectively in said first and second sockets.

9. (original) The modular electrical device as set forth in claim 8, wherein said first and second seals are molded into said first and second sockets.

10. (original) The modular electrical device as set forth in claim 8, wherein said first and second seals are defined together as a one-piece construction and are interconnected by a web.

11. (currently amended) ~~The modular electrical device as set forth in claim 9, wherein~~

A modular electrical device comprising:

a base comprising at least one mounting location comprising first and second electrical base connectors;

a module comprising first and second electrical module connectors that are respectively adapted for mating with said first and second electrical base connectors at respective first and second connector interfaces, wherein said first and second module connectors comprise respective first and second female sockets, and wherein said first and second seals are located respectively in said first and second sockets;

first and second molded polymeric seals located respectively at said first and second connector interfaces, said first and second seals each comprising first and second sealing elements that act respectively in first and second directions that are transverse relative to each other;

wherein said first and second female sockets each comprise a wall defining a plurality of flow passages extending therethrough, and wherein said polymeric material from which said first and second seals are molded extends into said flow passages and through said wall in which said flow passages are defined so that said first and second seals are mechanically anchored to said flow passages of said first and second female-socket connectors, said first and second sockets each define flow passages, and wherein said first and second seals are molded into said flow passages so as to be mechanically anchored in said first and second sockets, respectively.

12. (canceled)

13. (currently amended) ~~The modular electrical device as set forth in claim 12, wherein one of said inner and outer housings comprises projecting tabs and the other of said inner and outer housings comprises recesses that receive said projecting tabs when said inner housing is nested within the outer housing.~~

14. (currently amended) ~~The modular electrical device as set forth in claim 12,~~
wherein

A modular electrical device comprising:

a base comprising at least one mounting location comprising first and second electrical base connectors;

a module comprising first and second electrical module connectors that are respectively adapted for mating with said first and second electrical base connectors at respective first and second connector interfaces, wherein: (i) said module comprises an outer housing and an inner housing nested within the outer housing; (ii) said inner housing is both mechanically and adhesively secured to said outer housing; and (iii) said outer housing comprises a continuously extending groove and said inner housing comprises a projecting wall that is received in said groove, wherein said projecting wall is adhesively secured in said groove; and,

first and second seals located respectively at said first and second connector interfaces, said first and second seals each comprising first and second sealing elements that act respectively in first and second directions that are transverse relative to each other.

15. (currently amended) An electrical module comprising:

a housing;

first and second electrical connectors comprising respective first and second female sockets; and,

first and second seals located adjacent in said first and second electrical connectors female sockets, wherein each of said first and second seals comprises first and second sealing lips that project outwardly in first and second directions that are transverse relative to each other, wherein said first sealing lip of each of said first and second seals projects axially into said socket, and wherein said second sealing lip of

each of said first and second seals projects radially into said socket in a transverse orientation relative to said first sealing lip.

16. (original) The electrical module as set forth in claim 15, wherein said first and second seals are each defined as a one-piece thermoplastic elastomeric construction.

17. (canceled)

18. (canceled)

19. (currently amended) The electrical module as set forth in ~~claim 18~~ claim 16, wherein said first and second seals each comprise an L-shaped cross-section.

20. (currently amended) The electrical module as set forth in ~~claim 17~~ claim 16, wherein said first and second seals are molded into said first and second sockets.

21. (original) The electrical module as set forth in claim 20, wherein said first and second seals are defined together as a one-piece construction and are interconnected by a web.

22. (original) The electrical module as set forth in claim 20, wherein said first and second sockets each define flow passages, and wherein said first and second seals are molded into said flow passages so as to be mechanically anchored in said first and second sockets, respectively.

23. (canceled)

24. (canceled)

25. (currently amended) ~~The electrical module as set forth in claim 24, wherein~~
An electrical module comprising:

a housing comprising an outer housing and an inner housing nested within the outer housing, wherein said inner housing is both mechanically and adhesively secured to said outer housing and wherein one of said inner and outer housings comprises projecting tabs and the other of said inner and outer housings comprises recesses that receive said projecting tabs when said inner housing is nested within the outer housing;

first and second electrical connectors; and,

first and second seals located adjacent said first and second electrical connectors, wherein each of said first and second seals comprises first and second sealing lips that project outwardly in first and second directions that are transverse relative to each other.